CalESCO CALIFORNIA EARTH SCIENCE CORPORATION

1318 SECOND STREET. SUITE 27 SANTA MONICA, CALIFORNIA 90401 TELEPHONE 395-4528, AREA CODE 213

October 8, 1975

Contract NAS 2-7698
MONTHLY PROGRESS REPORT NO. 28
October 1975
Fault Tectonics and Earthquake Hazards in the Peninsular Ranges, Southern California, EREP Investigation 463

NASA-Lyndon B. Johnson Space Center
Technical Support Procurement Branch
Houston, Texas 77058

Attention: Mrs. Ruth Elder, Mail Stop BB631 (B9)

Dear Mrs. Elder:

California Earth Science Corporation (CalESCO) is pleased to submit its 28th Monthly Progress Report on the application of Skylab imagery to analysis of fault tectonics and earthquake hazards in the Peninsular Ranges, Southern California under NASA Contract No. NAS 2-7698.

Summary Outlook

The principal plans for the immediate future are to prepare the final reports on our analysis of Skylab data, and to prepare and analyze S192 images. Field studies of the area covered by the S192 images will be accomplished when the technical report in preparation is completed.

Significant Progress

1. Work was continued on a technical report describing our analysis of the enhancement characteristics of pseudocolor transformations.
2. Ratio images of all usable S192 channels of the Mojave test area were generated.

Expected Accomplishments, Current Month

1. Work will continue on a technical report describing our analysis of the enhancement characteristics of pseudocolor transformations.
2. Ratio images of S192 channels of the Mojave test area will be analyzed.

Travel Summary and Plans

No travel is planned during October.

Very truly yours,

CALIFORNIA EARTH SCIENCE CORP.

Donald L Lamar for

Paul M. Merifield
Principal Investigator

cc: NASA Scientific and Technical
Information Facility
P.O. Box 8757
Baltimore/Washington
International Airport, Maryland 21240

NASA-Lyndon B. Johnson Space Center
Earth Observations Division
Attn: Dr. David Amsbury, Mail Code TF6
Houston, TX 77058

NASA-Lyndon B. Johnson Space Center
Earth Resources Program Office
Attn: Robert K. Stewart, Mail Code HD
Houston, TX 77058